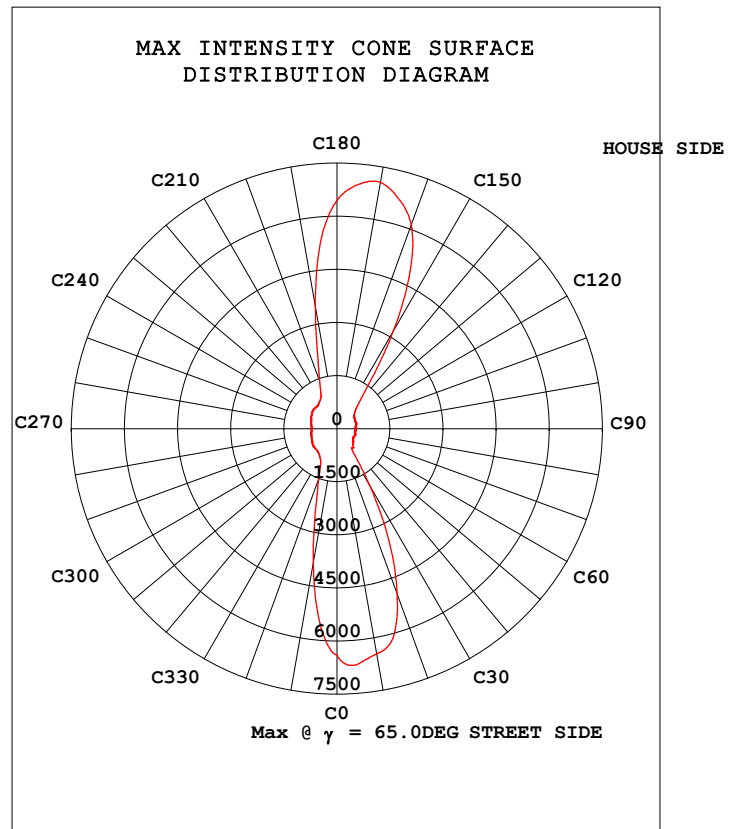
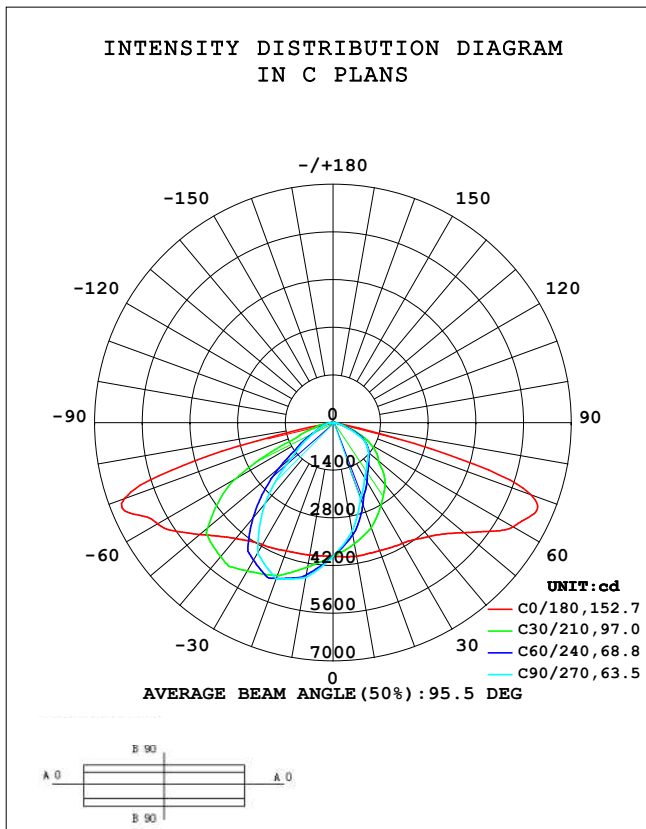


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.3777A P:81.39W PF:0.9755 Lamp Flux:12999.7x1 lm		
NAME: OPCITYIII-80W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 159.72 lm/W			
MODEL	LED	Imax (cd)	7068	η street_up (%)	0.0
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	50.1
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	13000	η house_up (%)	0.0
NOMINAL FLUX (lm)	12999.7	MAXIMUM @ (C, γ)	170,65.0	η house_down (%)	49.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	18.487



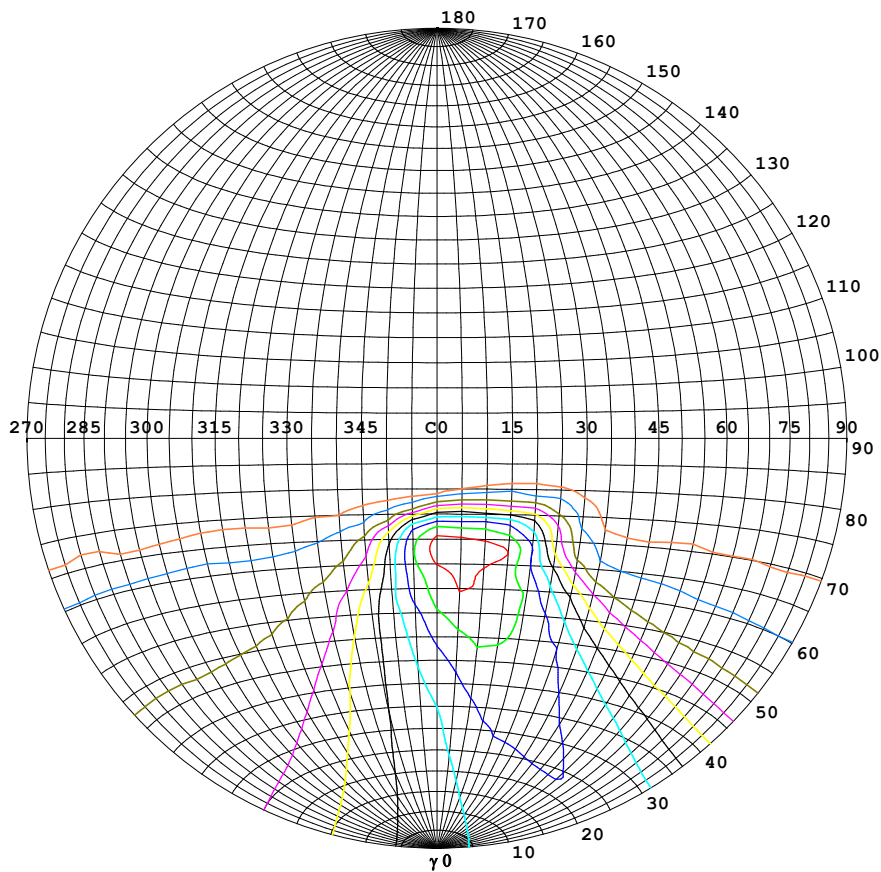
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.3777A P:81.39W PF:0.9755 Lamp Flux:12999.7x1 lm		
NAME: OPCITYIII-80W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



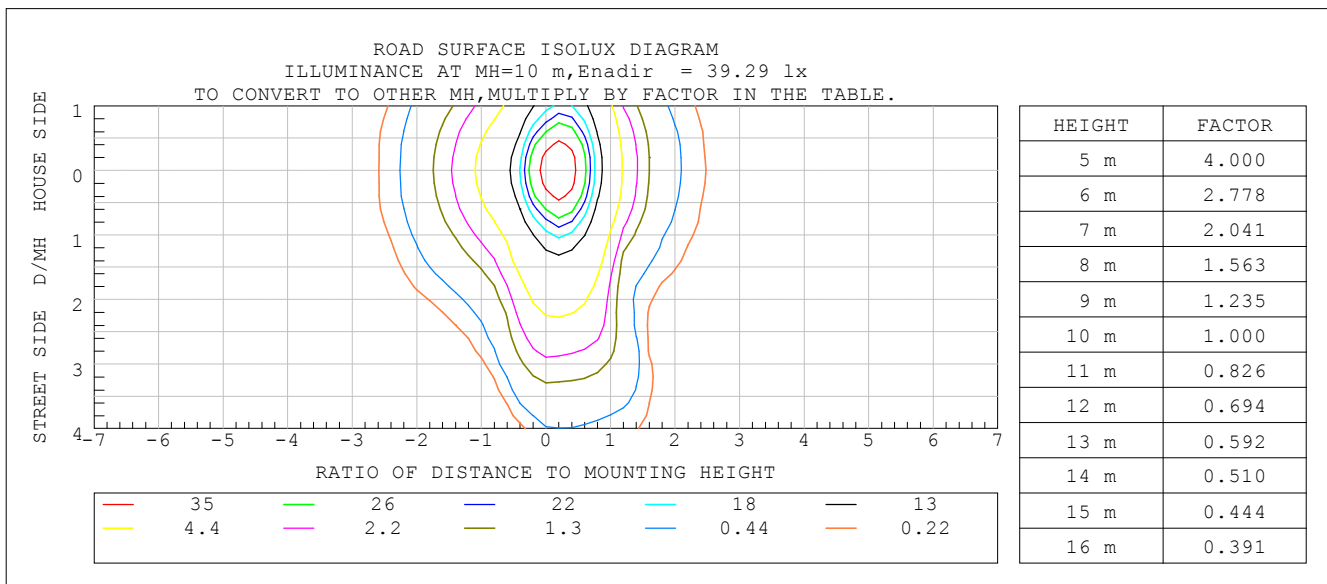
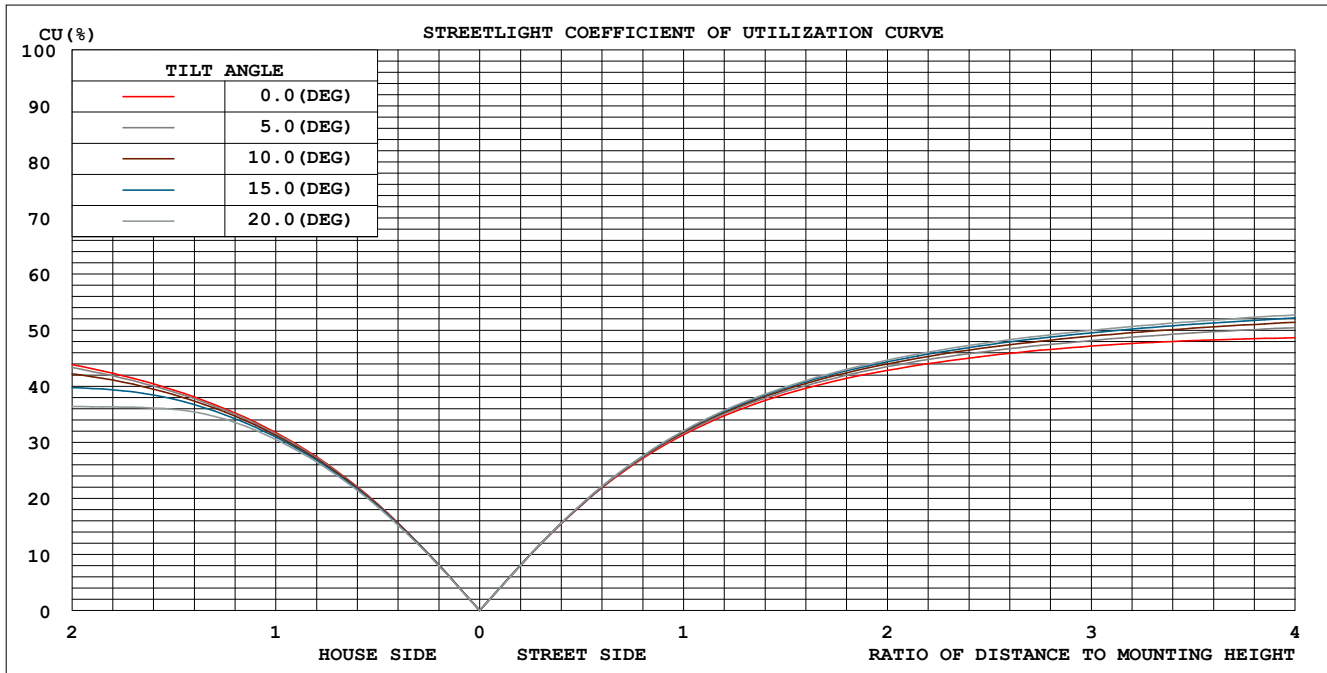
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:59.40cd/klm
Max.At90:4.306cd/klm
Max.80-90:59.40cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7068
90%	6361
80%	5654
70%	4947
60%	4241
50%	3534
40%	2827
30%	2120
20%	1414
10%	707
5%	353

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.3777A P:81.39W PF:0.9755 Lamp Flux:12999.7x1 lm		
NAME: OPCITYIII-80W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

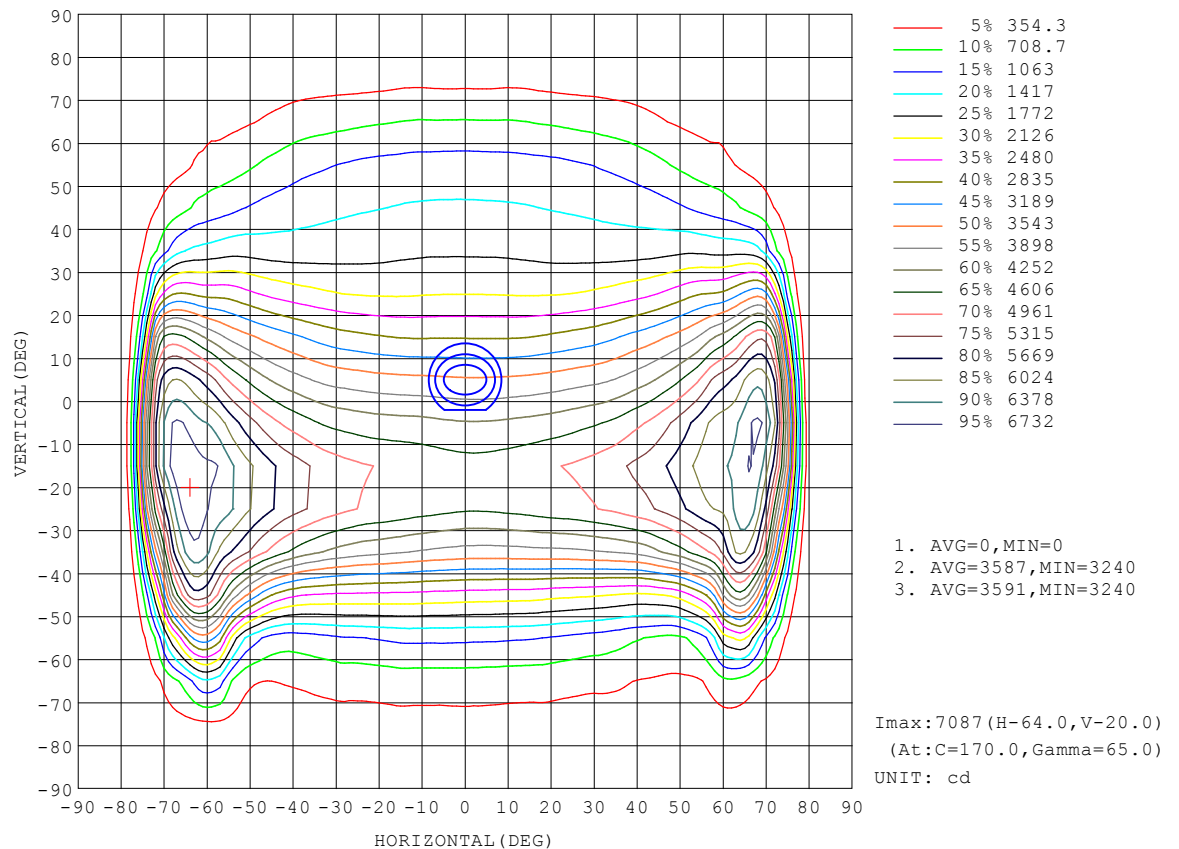
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	3931	4174	4277	4193	3953	3698	3585	3684	0- 5	94.04	94.04	0.72,0.72
10	3952	4440	4625	4479	3985	3465	3242	3447	5- 10	282.4	376.4	2.9,2.9
15	3972	4699	4753	4751	3988	3200	2806	3194	10- 15	467.4	843.8	6.49,6.49
20	4013	4840	4881	4884	4004	2864	2369	2872	15- 20	640.6	1484	11.4,11.4
25	4082	4982	4657	5022	4046	2518	2117	2548	20- 25	799.8	2284	17.6,17.6
30	4141	4957	4432	5017	4093	2253	1866	2286	25- 30	940.2	3224	24.8,24.8
35	4247	4781	3773	4882	4195	2009	1715	2028	30- 35	1056	4280	32.9,32.9
40	4449	4525	3114	4701	4368	1739	1564	1745	35- 40	1137	5417	41.7,41.7
45	4724	3827	2329	4123	4625	1600	1464	1606	40- 45	1184	6601	50.8,50.8
50	5111	3039	1543	3502	5030	1434	1364	1437	45- 50	1191	7792	59.9,59.9
55	5577	2056	1128	2396	5570	1286	1220	1292	50- 55	1165	8957	68.9,68.9
60	5947	1034	712.3	1208	6118	1121	1075	1116	55- 60	1117	10074	77.5,77.5
65	6394	641.4	525.8	746.5	6447	859.5	732.1	832.7	60- 65	1023	11097	85.4,85.4
70	6509	375.5	339.2	418.9	6174	558.7	388.8	526.5	65- 70	910.5	12008	92.4,92.4
75	3857	253.1	236.0	278.6	2991	278.4	241.0	265.9	70- 75	664.9	12673	97.5,97.5
80	199.3	157.7	132.7	177.9	159.7	151.1	93.11	139.2	75- 80	255.5	12928	99.5,99.5
85	84.86	43.05	0	50.82	60.53	36.20	0	31.05	80- 85	61.61	12990	99.9,99.9
90	55.97	0	0	0	43.80	0	0	0	85- 90	9.841	13000	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

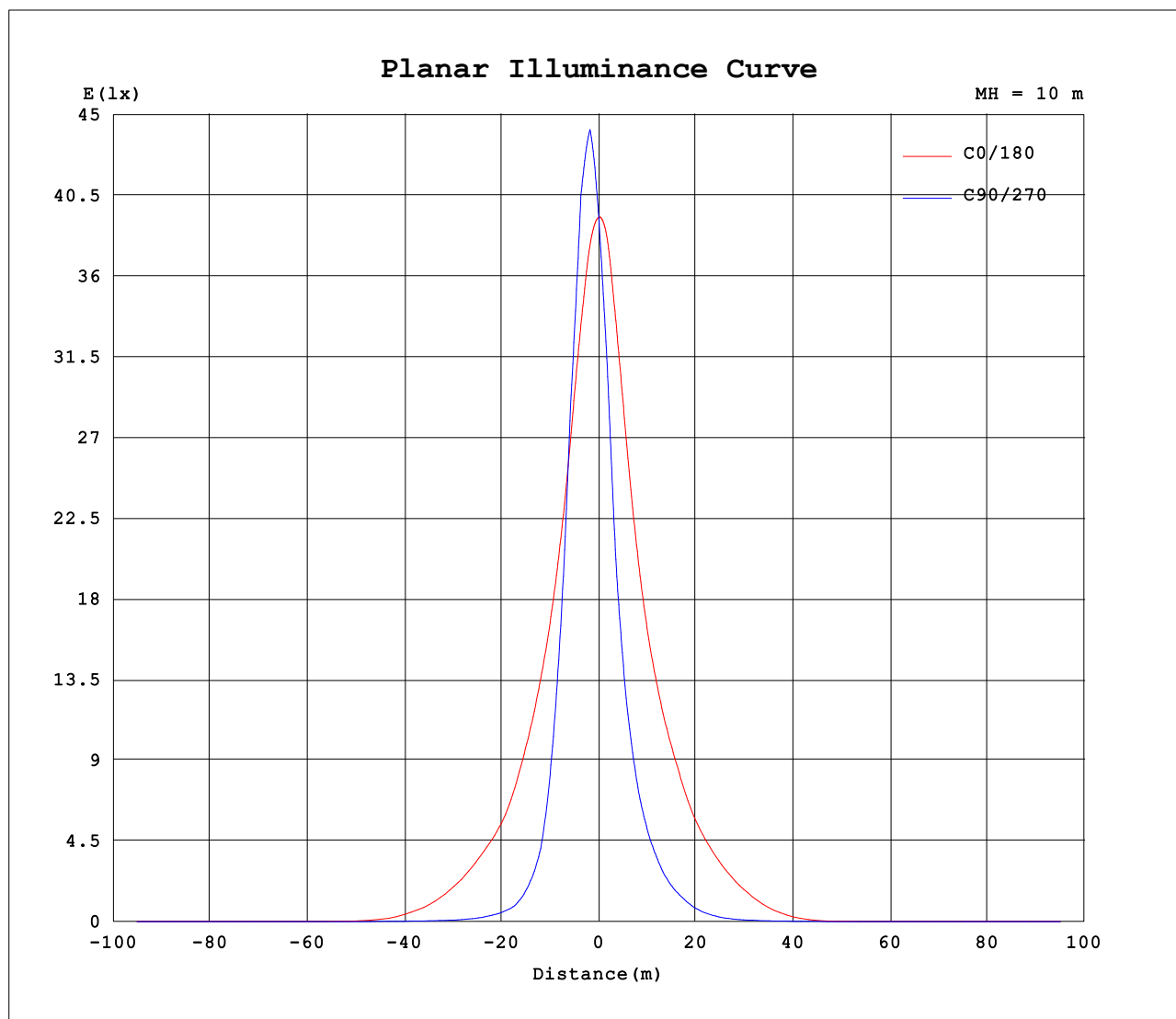
Test:U:220.9V I:0.3777A P:81.39W PF:0.9755 Lamp Flux:12999.7x1 lm		
NAME: OPCITYIII-80W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



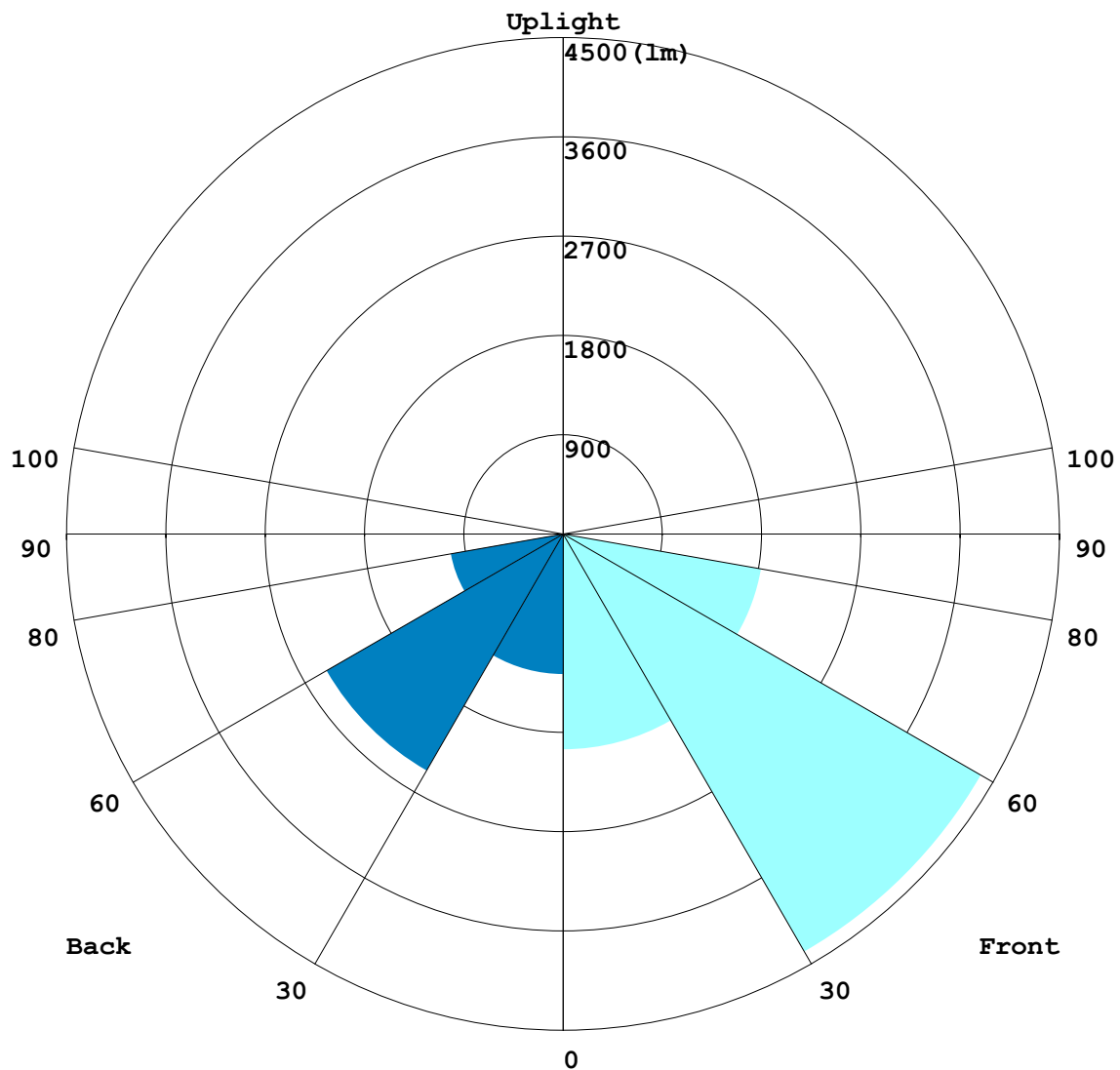
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.9V I:0.3777A P:81.39W PF:0.9755 Lamp Flux:12999.7x1 lm		
NAME: OPCITYIII-80W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.9V I:0.3777A P:81.39W PF:0.9755 Lamp Flux:12999.7x1 lm		
NAME: OPCITYIII-80W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1952.8	15.0
FM - Front-Medium(30-60)	4373.3	33.6
FH - Front-High(60-80)	1822.2	14.0
FVH - Front-Very High(80-90)	45.867	0.4
Total Forward Light	8194.2	63.0

BL - Back-Low(0-30)	1271.6	9.8
BM - Back-Medium(30-60)	2476.6	19.1
BH - Back-High(60-80)	1031.8	7.9
BVH - Back-Very High(80-90)	25.582	0.2
Total Back Light	4805.6	37.0

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4805.6	0	4805.6
Street Side	8194.2	0	8194.2

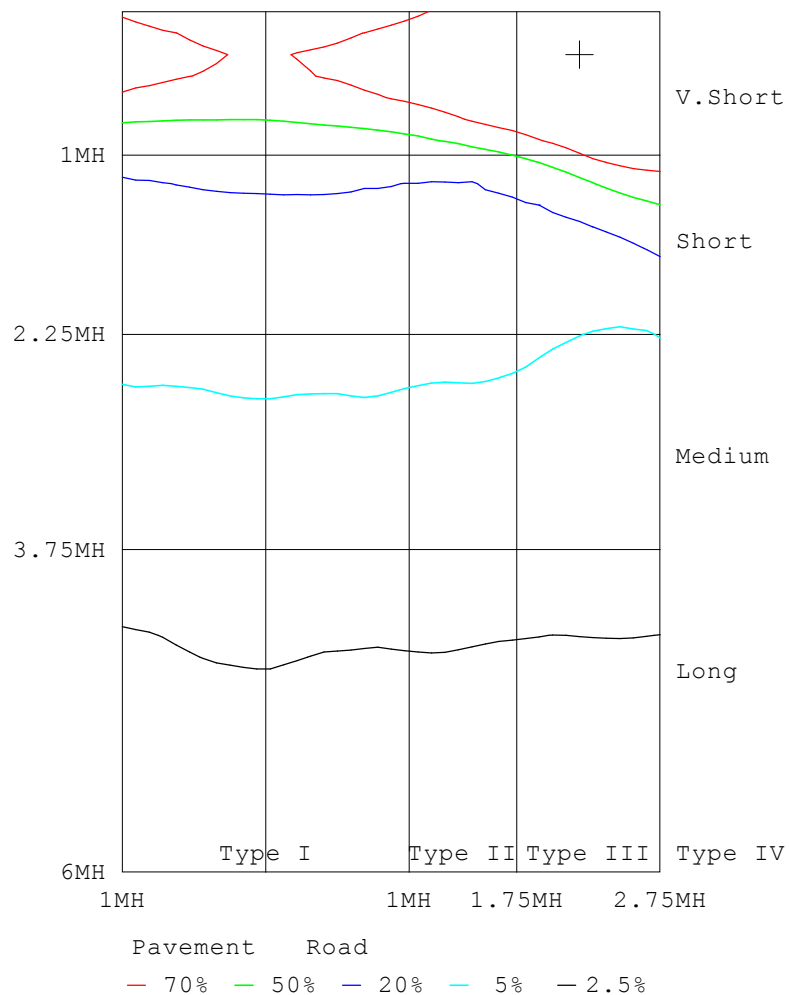
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.3777A P:81.39W PF:0.9755 Lamp Flux:12999.7x1 lm		
NAME: OPCITYIII-80W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```